Sub-Category	Product	Product Type	Required Attribute (Or function unless specified)	Recommended Attribute (Or function unless specified)	Comments
BUILDING CONSTR	UCTION		1		LMS 10 2113.13 r2 Metal Toilet Compartments doe
Bathroom Fixtures	Character and market and	Steel	CPG		not address recycled content.
	Shower and restroom dividers/partitions (R)	Plastic	CPG 20 - 100% recovered plastic, including 20-100% postconsumer content		
		Rock wool	Energy Star CPG 75% recovered slag	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	LMS 07 2100 for mineral wool states: Minimum 75 percent. Pre-consumer (Post-Industrial) content.
		Fiberglass	Energy Star CPG 20-25% recovered glass	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	LMS 07 2100 Glass fiber blankets and board states: Recycled Content: Minimum 25 percent. Comply wit ASTM D5360.
		Cellulose loose-fill and spray-on	Energy Star CPG 75% postconsumer paper	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	
		Perlite composite board	CPG 23% postconsumer paper	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	
	Building insulation (R, ES)	Rigid foam	Energy Star CPG 9% recovered material	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	
	Building insulation (R, ES)	Foam-in-place	Energy Star CPG 5% recovered material	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	
		Glass fiber reinforced	Energy Star CPG 6% recovered material	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	
		Phenolic rigid foam	Energy Star CPG 5% recovered material	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	
		Plastic, non-woven batt	Energy Star CPG 100% recovered and/or postconsumer plastics	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	
		Plastic insulating foam for residential and commercial construction (BP)	Energy Star BioPreferred 7% minimum biobased content	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	
	Ceiling Fans (ES)		ENERGY STAR		
		Interior Panels	BioPreferred 55% minimum biobased content		
	Composite panels (BP)	Plastic Lumber	BioPreferred 23% minimum biobased content		
	Composite panels (br)	Structural Interior Panels	BioPreferred 89% minimum biobased content		
		Structural Wall Panels	BioPreferred 94% minimum biobased content CPG 80-100% recovered wood waste,	EcoLogo/UL 2818 GREENGUARD Certification Cradle to Cradle Certified SCS Indoor Advantage Gold	
	Doors and skylights (ES)		bagasse, and paper ENERGY STAR		Neither LMS 08 1100 Metal Doors and Frames nor 08 8000 Glazing mention Energy Star. Need to research see if infiltration requirements in spec comply with
	Erosion control materials (BP)		BioPreferred		Energy Star and FEMP requirements.
Building Construction, Renovation, and Maintenance	Floor tiles *	Plastic	77% biobased content  CPG 90-100% recovered plastic	Cradle to Cradle Certified NSF/ANSI 332 GECA Floor Coverings GreenCircle Certified Environmental Facts for Flooring Products TCNA: ANSI A138.1/Green Squared International Living Future Institute: Living Product Challenge 1.0 Sustainable Materials Rating Technology (SMaRT) International Living Future Institute: Declare FloorScore SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification Global Recycled Standard	LMS 09 6500 Resilient Flooring requires minimum recovered (recycled) material content 90-100 percer of postconsumer materials in accordance with EPA's CPG.
	Patio blocks (R)	Rubber	CPG 90-100% postconsumer rubber or rubber blends		
	rauo DIOCKS (K.)	Plastic	CPG 90-100% recovered plastic or plastic blends Nio Professored		
	Fluid-Filled Transformers (ES, BP)	Synthetic ester-based	BioPreferred 66% biobased content		Currently no LMS includes fluid-filled transformers.
	Figure-Filled 11 alls/ormers (E5, BP)	Vegetable oil-based	BioPreferred 95% biobased content	Í	1

	Structural fiberboard	Paper	CPG 80-100% recovered wood waste, bagasse, and paper BioPreferred	Cradle to Cradle Certified SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	
		Steel	94% minimum biobased content CPG 25-100% recovered steel, including 16-		
	Modular threshold ramps ®	Aluminum	67% postconsumer content CPG		
		Rubber	10% recovered aluminum CPG		
	November (I)	Steel	100% postconsumer rubber CPG		Nonpressure pipe is defined as DWV pipes used for drainage, sanitary waste and vents and are described in LANL Master Specs 22 1316 and 1413 but do not addressed the postconsumer or the recovered material content. Specification for steel pipes is generally based on ASTM A74. Cannot find any specific ASTM standard for recycled steel material.
		High-Density Polyethylene (HDPE)	CPG 100% postconsumer high density polyethylene		At LANL, HDPE is for pressure only (nat gas, option for water)
	Nonpressure pipes (R)	Polyvinyl Chloride (PVC)	CPG 25-100% recovered polyvinyl chloride, including 5-15% postconsumer content		Nonpressure pipe is defined as DWV pipes used for drainage, sanitary waste and vents and are described in LANL Master Specs 22 1316 and 1413 where PVC have been specified but did not addressed the postconsumer or the recovered material content. Spec is based on ASTM D2665 and D3034. The ASTM standard that addressed the recycled PVC material is ASTM F1732.
		Concrete	CPG		Neither LMS 33 3000 r7 Sanitary Sewer nor 33 4000 r3 Storm Drainage Utilities currently list concrete as an option.
		Steel	CPG See EPA guidance at www.epa.gov/cpg		LMS 07 0413 r4 Metal Roof Panels lists 25% recycled content.
		Aluminum	CPG 20-90% recovered aluminum, including 20-90% postconsumer content		Aluminum is listed in LMS 07 6200 r4 Sheet Metal Flashing and Trim; however, no minimum recycled content percentage is given.
	Roofing materials (R, BP, ES)	Fiber	CPG 50-100% recovered fiber or fiber composite, including 50-100% postconsumer content		ALL Non-METAL ROOFING: Neither LMS 07 5213.13
		Rubber	CPG 100% recovered rubber, including 12- 100% postconsumer content		r2 nor 5217 r1 have recycled or biobased content. Need to check specified manufacturer's websites to se if the specified materials actually have any recycled o biobased content. Some of the Sandia Specs have
		Plastic/composites	CPG 100% postconsumer plastic or plastic/rubber composite		minimum requirements and one specifies an Energy Star roofing system.
		Plastic (polyol)	BioPreferred 20% biobased content		
	Windows (ES)		ENERGY STAR		No specific mention of Energy Star and FEMP in LMS 08 5113r3. Need to do more research to see if infiltration requirements in spec comply with Energy Star and FEMP requirements.
	Chillers	Air-Cooled Chillers Water-Cooled Chillers	FEMP		ESM Chapter 6 states that new equipment systems can not contain CPCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Act and US Code regulation, and are currently using the accepted HFC refrigerants.  ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.2B requirements including achieving LEED Gold certification for new construction and purchase of energy efficient products with ENERGY STAR rating.
	Heat Pumps, Air-Source (ES)		ENERGY STAR SNAP		
HVAC	Boilers (ES)	Commercial	FEMP ENERGY STAR		
	Centrifugal pumping system (FEMP)		While no federal requirement applies, FEMP offers purchasing guidance for centrifugal pumping systems.		
	Furnaces (ES)		ENERGY STAR		
	Commercial Gas Water Heaters (ES)  Light commercial heating and cooling		ENERGY STAR		LMS 23 7413 r3, Packaged, Outdoor, Central-Station,
	(ES)		ENERGY STAR		Air-Handling Units, requires ASHRAE 90.1
	Ventilation fans (ES)  Concrete and asphalt release fluids		ENERGY STAR BioPreferred		LMS 23 3400 r1 Fans does not mention Energy Star.  LMS 03 3001 r11 Reinforced Concrete specifies
	(BP)		87% biobased content Significant New Alternatives Policy		mineral oil.
Miscellaneous		Total flooding agents	(SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy		
	Fire Suppression and explosion protection (SNAP)	Streaming applications	(SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy		
	Water tank coatings (BP)	Halon substitutes	(SNAP) Program for ozone-depleting chemical substitutes BioPreferred		
			59% biobased content		
TRAFFIC CONTROL	PRODUCTS		CPG	I	
	Channelizers (R)	Plastic	25-95% recovered plastic, including 25- 95% postconsumer content		
		Rubber	CPG 100% postconsumer rubber (base only) CPG		
		Plastic	25-90% recovered plastic, including 25- 95% postconsumer content		

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	Delineators (R)	Rubber	CPG 100% postconsumer rubber (base only)	
		Steel	CPG See EPA guidance at www.epa.gov/cpg	
	Flexible delineators (R)	Plastic	CPG 25-85% recovered plastic, including 25- 85% postconsumer content	
		Plastic or rubber	CPG 100% postconsumer plastic and/or rubber	
	Parking stops (R)	Concrete	CPG 25-70% recovered concrete containing ground granulated blast furnace slag 20-40% recovered concrete containing coal fly ash	
	Signage (R)	Plastic	CPG 80-100% recovered plastic signs, including 80-100% postconsumer content 80-100% recovered plastic sign posts/supports; including 80-100% nostconsumer content	Signage – LANL or subcontractors supply traffic control signs as a portion of road and highway projects.
		Aluminum	CPG 25% postconsumer aluminum signs	The sign material used by LANL and subcontractors is aluminum. It is not specific in the master spec. 10 1405 r3 Exterior Signage.
		Steel	CPG See EPA guidance at www.epa.gov/cpg	
	Traffic barricades (R)	Plastic	CPG 100% recovered plastic, including 80- 100% postconsumer content	
		Steel	CPG See EPA guidance at www.epa.gov/cpg	
		Fiberglass	CPG 100% recovered fiberglass	
	Traffic cones (R)	Plastic	CPG 50-100% recovered plastic	
		Rubber	CPG 50-100% crumb rubber	

LANDSCAPING					
	Compost (R)	Yard trimmings, food waste, manure, biosolids, or other recovered organic materials	CPG 100% recovered organic materials		32 9219 Seeding and 32 9223 Sodding—Compost/fertilizer from recovered organic material, The compost available locally is from the County of Loc Alamos Solid Waste Division. If the compost is used on the LANL property, test results (Biosolid Sampling) will need to be submitted for compliance with EPA Guide to the Part 503 Rule for metals, pathogen, nitrogen, and PCBs. Selective placement of material would have to be considered concerning potential for storm water run-off. 32 9300 Plants – same as above
		Biobased Compost Materials	BioPreferred 95% biobased content		
	Compost activators and accelerators (BP)		BioPreferred 95% biobased content		
	Hydraulic mulch (R)	Paper-based hydraulic mulch	CPG 100% postconsumer paper		503 Rule for metals, pathogen, nitrogen, and PCB's.
		Wood-based hydraulic mulch	CPG 100% recovered wood and paper		32 8400 Planting Irrigation – Design for water
	Landscape irrigation services (WS)			WaterSense	conservation
	Lawn and garden edging (R)		CPG 30-100% recovered plastic and/or rubber, including 30-100% rostconsumer content 95-100% other mixed recovered resins,		
	Plastic Lumber Landscaping Timber and Posts (R)		including 50-100% postconsumer content 100% recovered mixed plastics/sawdust including 50% postconsumer content 75-100% recovered high density polyethylene including 25-100% postconsumer content 95% recovered high density polyethylene/fiberglass including 75% postconsumer content		
	Weather- or sensor-based irrigation control technologies (WS)			WaterSense	32 8400 Planting Irrigation – Design for water conservation
ROADWAY CONST	TRUCTION				
	Concrete and asphalt release fluids (BP)		BioPreferred 87% biobased content		LMS 03 3001 r11 Reinforced Concrete specifies mineral oil.
	Erosion control materials (BP)		BioPreferred 77% biobased content		LMS 01 5705 r5 refers to drawings. See LID Standard Details (G20, future).
BUILDING INTERI	OR				
		Total flooding agents	Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes		
	Fire suppression and explosion protection (SNAP)	Streaming applications	Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy		
		Halon substitutes	(SNAP) Program for ozone-depleting chemical substitutes		
	Signage (R)	Plastic	CPG 80-100% recovered plastic signs, including 80-100% postconsumer content 80-100% recovered plastic sign posts/supports, including 80-100% postconsumer content		
		Aluminum	CPG 25% postconsumer aluminum signs		LMS 10 1410 r3 does not mention this.
		Steel	CPG See EPA guidance at www.epa.gov/cpg		
1	Water Coolers (ES)		ENERGY STAR SNAP		

UILDING FINISHI					
	Carpet (BP)	Woven, tufted, or knitted fiber and a backing system	BioPreferred 7% minimum biobased content		LMS 09 86813 and 6816 include some requirements for recycled content and/or recyclability.
		Bonded polyurethane	CPG 15-50% old carpet cushion, including 15- 50% postconsumer content		
	Carpet cushion (R)	Jute	CPG 40% postconsumer burlap		
		Synthetic fibers	CPG 100% recovered carpet fabrication scrap		
		Rubber	CPG 60-90% recovered tire rubber, including 60-90% postconsumer content		LMS 09 6816 r2 Sheet Carpet states: Polyme Cushion: Preference will be given to recycled content cushion backings
	Compact fluorescent lamps (CFLs) (ES)		ENERGY STAR		Needs update to replace "energy efficient" with "Energy Star."
	Downlights (ES)		ENERGY STAR		Update 26 5100 to include FEMP-designated performance requirements.
	Floor tiles (heavy duty/commercial)	Rubber	CPG 90-100% postconsumer rubber	Cradle to Cradle Certified NSF/ANSI 332 GECA Floor Coverings TCNA: ANSI A138.1/Green Squared International Living Future Institute: Living Product Challenge 1.0 Sustainable Materials Rating Technology (SMaRT) International Living Future Institute: Declare FloorScore SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification	LMS 09 6500 Resilient Flooring requires minimum recovered (recycled) material content 90-100 perc of postconsumer materials in accordance with EPA CPG.
	(R)	Plastic	90-100% recovered plastic	Cithal Recycled Standard Cradle to Cradle Certified NSF/ANSI 332 GECA Floor Coverings TCMA: ANSI A138.1/Green Squared International Living Future Institute: Living Product Challenge 1.0 Sustainable Materials Rating Technology (SMaRT) International Living Future Institute: Declare FloorScore SCS Indoor Advantage Gold EcoLogo/UL 2818 GREENGUARD Certification Global Recycled Standard	
	Fluorescent ballasts (FEMP)		FEMP	Global Recycled Standard	update 26 5100 to include FEMP-designated
	Fluorescent luminaires (FEMP)		FEMP		performance requirements. update 26 5100 to include FEMP-designated performance requirements.
	LED lighting (ES)		ENERGY STAR	GSA's Proving Ground	
	LED lighting (ES) Light fixtures (ES)		ENERGY STAR ENERGY STAR	GSA's Proving Ground	update 26 5100 to include ENERGY STAR-qualified
				GSA's Proving Ground	update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention
EFRIGERATION A	Light fixtures (ES)	NAP, ES]	ENERGY STAR	GSA's Proving Ground	update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements.
EFRIGERATION A	Light fixtures (ES) Lighting controls (ES)	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP	GSA's Proving Ground  GSA's Proving Ground	update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention
EFRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [St	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using the accepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.28 requirements including purchas
EFRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [St	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using the accepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.2B requirements including purchar
EFRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [St Chillers Cold storage warehouses	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using the accepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.2B requirements including purchas
EFRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [St  Chillers  Cold storage warehouses  Commercial freezers  Commercial refrigerators  Commercial ice makers	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using the accepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.2B requirements including purchas
FRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [St  Chillers  Cold storage warehouses  Commercial freezers  Commercial refrigerators  Commercial ice makers  Non-Mechanical Heat Transfer  Systems	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using the accepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.2B requirements including purchas
EFRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [St  Chillers  Cold storage warehouses  Commercial freezers  Commercial refrigerators  Commercial ice makers  Non-Mechanical Heat Transfer  Systems  Industrial Process air conditioning	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star Energy Star Energy Star Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using the accepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.2B requirements including purchar
EFRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [St  Chillers  Cold storage warehouses  Commercial freezers  Commercial refrigerators  Commercial ice makers  Non-Mechanical Heat Transfer  Systems	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using the accepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.2B requirements including purchar
EFRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [St  Chillers  Cold storage warehouses  Commercial freezers  Commercial refrigerators  Commercial ice makers  Non-Mechanical Heat Transfer Systems  Industrial Process air conditioning Industrial process refrigeration	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using the accepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.2B requirements including purcha
FRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [SI  Chillers  Cold storage warehouses  Commercial freezers  Commercial refrigerators  Commercial ice makers  Non-Mechanical Heat Transfer Systems Industrial Process air conditioning Industrial process refrigeration systems  Retail food refrigeration  Very low temperature refrigeration	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using the accepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.2B requirements including purchar
EFRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [SI Chillers  Cold storage warehouses Commercial freezers Commercial refrigerators  Commercial refrigerators  Non-Mechanical Heat Transfer Systems Industrial Process air conditioning Industrial process refrigeration systems  Retail food refrigeration	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using thaccepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.28 requirements including purchaenergy efficient products with ENERGY STAR rating the system of the system
	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [SI  Chillers  Cold storage warehouses  Commercial freezers  Commercial refrigerators  Commercial ice makers  Non-Mechanical Heat Transfer Systems  Industrial Process air conditioning Industrial process refrigeration systems  Retail food refrigeration  Very low temperature refrigeration systems  Water coolers	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes		update 26 5100 to include ENERGY STAR-qualifier and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syst can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using that accepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.2B requirements including purchaenergy efficient products with ENERGY STAR rating the system of the syst
	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [SI  Chillers  Cold storage warehouses  Commercial freezers  Commercial refrigerators  Commercial ice makers  Non-Mechanical Heat Transfer Systems  Industrial Process air conditioning Industrial process refrigeration systems  Retail food refrigeration  Very low temperature refrigeration systems  Water coolers	NAP, ES]	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes		update 26 5100 to include ENERGY STAR-qualified and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using thaccepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.28 requirements including purchaenergy efficient products with ENERGY STAR rating the system of the system
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EFRIGERATION A	Light fixtures (ES) Lighting controls (ES) AND AIR CONDITIONING [SI Chillers  Cold storage warehouses  Commercial freezers  Commercial refrigerators  Commercial refrigerators  Non-Mechanical Heat Transfer Systems  Industrial Process air conditioning Industrial process refrigeration systems  Retail food refrigeration  Very low temperature refrigeration systems  Water coolers  ATION	Steel	ENERGY STAR  ENERGY STAR  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes Energy Star, FEMP  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes  Significant New Alternatives Policy (SNAP) Program for ozone-depleting chemical substitutes  CPG 25-35% recovered steel, including 16% nostconsumer content CPG		update 26 5100 to include ENERGY STAR-qualifier and FEMP-designated performance requirements. LMS 26 2726 r5 Wiring Devices does not mention energy star.  Covered in ESM Chapter 6. ESM states that new refrigeration equipment syste can not contain CFCs or HCFCs. Most (if not all) vendors or manufacturers follows the Clean Air Ac and US Code regulation, and are currently using thaccepted HFC refrigerants. ESM Chapter 14, Sustainable Design, incorporated DOE Order 430.28 requirements including purchaenergy efficient products with ENERGY STAR rating the system of the products with ENERGY STAR rating the system of t

•	r ark belienes and pienie tables (K)			
1	rark benefics and pieme tables (iv)		CPG	
		Aluminum	25% recovered aluminum, including	
			25% postconsumer content	
		Concrete	CPG	
			25-40% recovered concrete	
		Steel	CPG	
			See EPA guidance at www.epa.gov/cpg CPG	
	Plastic fencing (R)	Plastic	90-100% recovered plastic, including 60-	
	r lastic felicing (K)	riastic	100% postconsumer content	
			CPG	
	Running tracks (R)	Rubber or Plastic	90-100% postconsumer rubber or	
	raming tracks (iv)	read bet of Fladete	plastic	
			CPG	
			80-100% recovered plastic signs,	
			including 80-100% postconsumer	
		Plastic	content	
		1	80-100% recovered plastic sign	
1	Signage (R)	1	posts/supports, including 80-100%	
	Signage (N)		postconsumer content	
		Aluminum	CPG	Not mentioned in 10 1405 r3 Exterior Signage.
		7 Hummum	25% postconsumer aluminum signs	Not mentioned in 10 1403 13 Exterior Signage.
			CPG	
		Steel	See EPA guidance at www.epa.gov/cpg	
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KITCHENS				
		Vending machines (ES)	ENERGY STAR	
			SNAP	
		Commercial hot food holding cabinets (ES)	ENERGY STAR	
		Cabinets (ES)	ENERGY STAR	
		Commercial freezers (ES	SNAP	
			ENERGY STAR	
		Commercial refrigerators (ES)	SNAP	
	Cafeteria Equipment and Products	Commercial Steam Cookers(ES)	ENERGY STAR	
	Caleteria Equipment and Products	Commercial fryers (ES)	ENERGY STAR	
			BioPreferred	
		Food cleaners (BP)	53% biobased content	
		Commercial Griddles (ES)	ENERGY STAR	
		commercial director (20)	ENERGY STAR	
		Commercial Ice Makers (FEMP)	SNAP	
			FEMP	
		Commercial Ovens (ES)	ENERGY STAR	
MISCELLANEOUS				
			ENERGY STAR	
1	Dehumidifiers (ES)		SNAP	
		1	BioPreferred	
1	Water tank coatings (BP)	1	59% highased content	
			BioPreferred	LMS 09 9100 r4 Painting specifies Green Seal GS-11,
1		Membrane concrete sealers	11% biobased content	Paints, Coatings, Stains and Sealer. Also, "When
	Wood and concrete sealers (BP)		BioPreferred	available, provide materials compliant with USDA
		Penetrating liquids	79% biobased content	BioPreferred bio-based content minimum
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